Geometry Name _____

Per. _____ Date _____

Unit 11 Remediation Packet – Surface Area & Volume

Directions: **In the box provided next to each target section, put an (S) if you were able to complete the section by *yourSELF*, an (H) if you received a *minimal* amount of *HELP* from me, a classmate, or another source, or a (D) if you felt the section was *DIFFICULT* and required you to get *a lot* of help. This will help provide you by giving you feedback as to what topics you should be focusing on as you prepare for the test.**

☐ **(**Vocabulary & Nets)

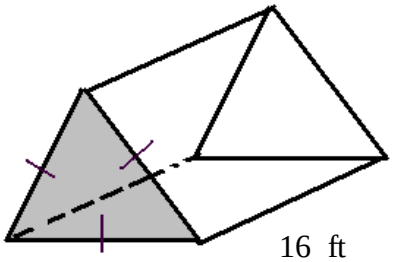
#'s 1-6, fill the in the blank with the appropriate word from the word bank.

Word Bank
Sphere
Pyramid
Edge
3-dimensional
Surface
Lateral
Face
Vertex
2-dimensional
Prism

1. A _____ is a 3-dimensional figure that has one base.
2. A flat _____ surface of a solid is called a net.
3. The intersection of two faces on any solid is called a(n) _____.
4. The measure of the amount of space enclosed by a _____ figure is its volume.
5. The _____ area of any solid is the sum of the areas of all of the faces and the bases.
6. If a _____ has a side that is a shape other than a rectangle, that side is its base.

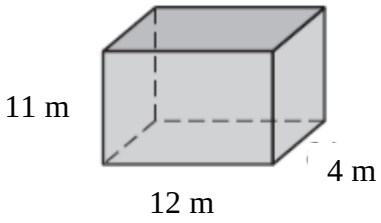
☐ **TARGET 11A** **(**Prisms)

7. Find the following for the given prism. Round to the hundredths place.



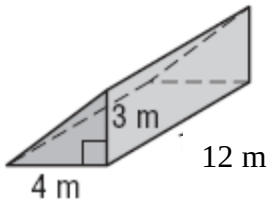
Area of the Base	Lateral Area
Find the surface area.	Find the volume.

8. Find the following for the given prism.



Area of the base. B = _____	Find the lateral area. LA =_____
Find the surface area. SA = _____	Find the volume. V = _____

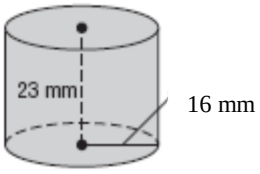
9. Find the following for the triangular prism.



Area of the base. B = _____	Find the lateral area. LA = _____
Find the surface area. SA = _____	Find the volume. V = _____

TARGET 11B (Cylinders)

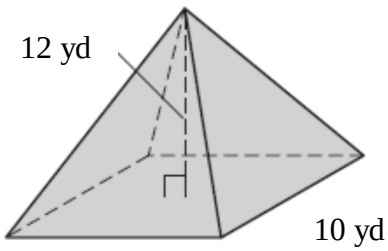
10. Find the following for the given cylinder and **leave all answers in terms of π.**



Area of the base. B = _____	Find the lateral area. LA = _____
Find the surface area. SA = _____	Find the volume. V = _____

TARGET 11C (Pyramids)

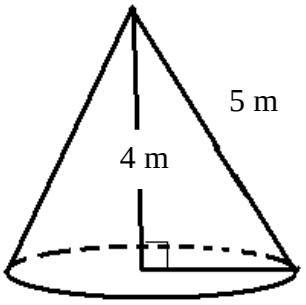
11. Find the following for the given pyramid but first find the **slant height** to the nearest tenth = _____



Area of the base. B = _____	Find the lateral area. LA = _____
Find the surface area. SA = _____	Find the volume. V = _____

TARGET 11D (Cones)

12. Find the following for the given cone and **leave all answers in terms of π.**

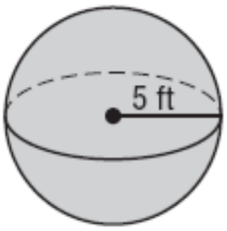


Find the radius_____

Area of the base. B = _____	Find the lateral area. LA =_____
Find the surface area. SA = _____	Find the volume. V = _____

TARGET 11E (Spheres)

19. Find the following for the given sphere and **leave all answers in terms of π.**



Find the surface area. SA =_____	Find the volume. V = _____